

ABSTRACT OF THE DISCLOSURE

A photoelectric sensor is disclosed that comprises a sensor unit having a casing. The casing includes one surface having a 5 first display and a second display. The first display is structured and arranged to display a threshold value that may be set by an operator of the photoelectric sensor. The second display is structured and arranged to display the actual conditions sensed by said photoelectric sensor. The sensor also 10 includes a selection device for selecting different operational values to display on the second display. The selection device can include a mechanism disposed on the casing for changing the different operational values on the second display. The selection device can also include an adjustment switch disposed 15 on the casing. The adjustment switch allows the operator to adjust the threshold value shown on the first display while the second display shows at least one of the actual conditions sensed by the photoelectric sensor. The photoelectric sensor can be an integrated sensor or can include at least two parts, namely a 20 sensor head and a main body unit. The sensor also can have a plurality of different display setting modes that can be shown on the displays and an operator may set these modes. These different modes include a power setting mode, a hold setting mode and a timer setting mode, each of which can have a plurality of 25 displayable conditions.